

- Sub  
C2
- 0.1 to 98.7% of zeolite,
  - 1 to 99.7% of matrix,
  - at least one of the elements of groups VIB and/or VIII at a concentration of 0.1-40% of an element of group VIB, and/or 0.1 to 30% of an element of group VIII (% by weight of oxide),
  - at most 20% (% by weight of oxide) of at least one promoter element that is selected from the group consisting of boron, silicon and phosphorus,
  - 0-20% of at least one element of group VIIA,

B4

and in which the zeolite contains in its porous network (in % by weight of oxide in the catalyst) at least one of the elements of groups VIB and/or VIII at a concentration of 0.1-10% by weight of an element of group VIB and/or 0.1-10% by weight of an element of group VIII.

10. (Twice Amended) A catalyst according to claim 1, prepared by:

- a) introducing into the zeolite at least one element of group VIB and/or group VIII;
- b) mixing the zeolite with the matrix and shaping the resultant mixture to obtain the substrate, and
- c) introducing at least one promoter element by impregnation and introducing at least one hydro-dehydrogenating element in the matrix or on the substrate by at least one of the following methods so as to obtain a final product:
  - adding at least one compound of said hydro-dehydrogenating element during the shaping to introduce at least a portion of said element,
  - impregnation of the substrate with at least one compound of said hydro-dehydrogenating element;
- d) drying and calcining the final product and optionally drying and/or calcining intermediate products obtained at the end of stages a) or b) or after the impregnation (c).

Please add new claim 19 as follows:

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--19. A catalyst according to claim 9, comprising 0.1-20% of at least one promoter  
element.